

Application No.: 10/550,039
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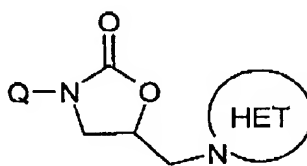
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In the Claims

The following listing of claims will replace all prior versions and listings of claims in the application:

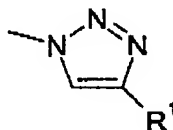
Claims

1. (Currently Amended) A compound of the formula (I), or a pharmaceutically-acceptable salt, or an in-vivo-hydrolysable ester thereof,



(I)

wherein -N-HET is:



(Id)

wherein

R¹ is (1-4C)alkyl;

or R¹ is selected from a substituent from the group

(R¹a) wherein R¹ is halogen, hydroxy, (1-4C)alkoxy, (2-4C)alkenyloxy, (2-4C)alkenyl, (2-4C)alkynyl (optionally substituted on the terminal carbon by CH₂=CH-, di(1-4C)alkylamino, AR2, AR2a or AR2b, wherein AR2, AR2a and AR2b are defined hereinbelow), (3-6C)cycloalkyl, (3-6C)cycloalkenyl, amino, (1-4C)alkylamino, di(1-4C)alkylamino, (2-4C)alkenylamino, (1-4C)alkyl-S(O)_q- (wherein q is 0, 1 or 2), (1-4C)alkylcarbonylamino, ;

or R¹ is selected from the group

(R¹b) wherein R¹ is a (1-4C)alkyl group which is substituted by one substituent selected from hydroxy, halo, (1-4C)alkoxy, amino, (1-4C)alkylamino, di(1-4C)alkylamino, cyano, azido, (2-4C)alkenyloxy, (1-4C)alkyl-S(O)_q- (wherein q is 0, 1 or 2), AR1-S(O)_q- (wherein q is 0, 1 or 2 and AR1 is defined hereinbelow), AR2-S(O)_q- (wherein q is 0, 1 or 2), AR2a-S(O)_q- (wherein q is 0, 1 or 2), benzyl-S(O)_q- (wherein q is 0, 1 or 2), (3-6C)cycloalkyl, (3-6C)cycloalkenyl, (1-4C)alkyl-OCO-NH-, (1-4C)alkyl-NHCO-O-, (1-4C)alkylaminocarbonyl, di(1-4C)alkylaminocarbonyl, F₂NC(=NH)S-;

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or R¹ is selected from a group of formula (R^{1c1}) :-

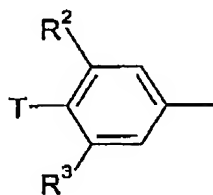
(R^{1c1}) a fully saturated 4-membered monocyclic ring containing 1 or 2 heteroatoms independently selected from C, N and S (optionally oxidised), and linked via a ring nitrogen or carbon atom; or

or R¹ is selected from the group

(R^{1d}) cyano, nitro, azido, formyl, (1-4C)alkylcarbonyl, (1-4C)alkoxycarbonyl, H₂NC(O)-, (1-4C)alkylNHC(O)-;

and wherein at each occurrence of an R¹ substituent containing an alkyl, alkenyl, alkynyl, cycloalkyl or cycloalkenyl moiety in (R^{1a}), (R^{1b}) or (R^{1c1}) each such moiety is optionally further substituted on an available carbon atom with one, two, three or more substituents independently selected from F, Cl Br, OH and CN;

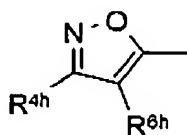
Q is:



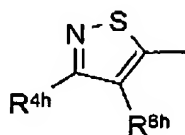
Q1

wherein R₂ and R₃ are independently selected from H, F, Cl, CF₃, OMe, SMe, Me and Et;
wherein T is selected from the groups in (TAa1) to (TAa12):

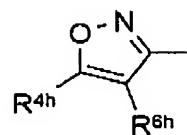
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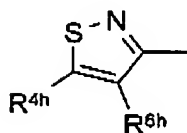
(TAa1)



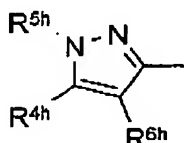
(TAa2)



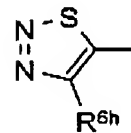
(TAa3)



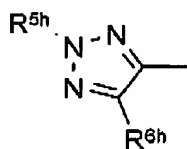
(TAa4)



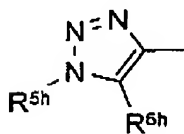
(TAa5)



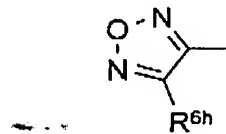
(TAa6)



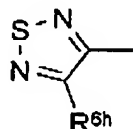
(TAa7)



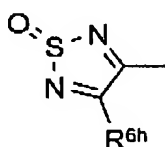
(TAa8)



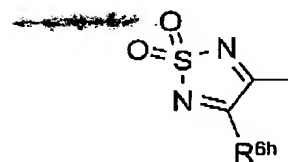
(TAa9)



(TAa10)



(TAa11)



(TAa12)

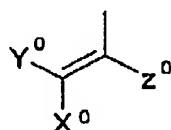
wherein :

R^{6h} is selected from hydrogen, (1-4C)alkyl, (1-4C)alkoxycarbonyl, (1-4C)alkanoyl, carbamoyl and cyano;

R^{4h} and R^{5h} are independently selected from hydrogen, halo, trifluoromethyl, cyano, nitro, (1-4C)alkoxy, (1-4C)alkylS(O)_q- (q is 0, 1 or 2), (1-4C)alkanoyl, (1-4C)alkoxycarbonyl, benzyloxy-(1-4C)alkyl, (2-4C)alkanoylamino, -CONR_CR_V and -NR_CR_V wherein any (1-4C)alkyl group contained in the preceding values for R^{4h} and R^{5h} is optionally substituted by up to three substituents independently selected from hydroxy (not on C1 of an alkoxy group, and excluding geminal disubstitution), oxo, trifluoromethyl, cyano, nitro, (1-4C)alkoxy, (2-4C)alkanoyloxy, hydroxyimino, (1-4C)alkoxyimino, (1-4C)alkylS(O)_q- (q is 0, 1 or 2), (1-4C)alkylSO₂-NR_V-, (1-4C)alkoxycarbonyl, -CONR_CR_V, and -NR_CR_V (not on C1 of an alkoxy group, and excluding geminal disubstitution); wherein R_V is hydrogen or (1-4C)alkyl and R_C is as hereinafter defined;

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R^{4h} and R^{5h} may further be independently selected from (1-4C)alkyl (optionally substituted by one, two or three substituents independently selected from hydroxy (excluding geminal disubstitution), oxo, trifluoromethyl, cyano, nitro, (1-4C)alkoxy, (2-4C)alkanoyloxy, phosphoryl [-O-P(O)(OH)₂, and mono- and di-(1-4C)alkoxy derivatives thereof], phosphiryl [-O-P(OH)₂ and mono- and di-(1-4C)alkoxy derivatives thereof], hydroxyimino, (1-4C)alkoxyimino, (1-4C)alkylS(O)_q- (q is 0, 1 or 2), (1-4C)alkylSO₂-NR_v-, (1-4C)alkoxycarbonyl, -CONR_cR_v, -NR_cR_v (excluding geminal disubstitution), OR_c, and phenyl (optionally substituted by one, two or three substituents independently selected from (1-4C)alkyl, (1-4C)alkoxy and halo)); wherein R_v is hydrogen or (1-4C)alkyl and R_c is as hereinafter defined; and wherein any (1-4C)alkyl group contained in the immediately preceding optional substituents (when R^{4h} and R^{5h} are independently (1-4C)alkyl) is itself optionally substituted by up to three substituents independently selected from hydroxy (not on C1 of an alkoxy group, and excluding geminal disubstitution), oxo, trifluoromethyl, cyano, nitro, (1-4C)alkoxy, (2-4C)alkanoyloxy, hydroxyimino, (1-4C)alkoxyimino, (1-4C)alkylS(O)_q- (q is 0, 1 or 2), (1-4C)alkylSO₂-NR_v-, (1-4C)alkoxycarbonyl, -CONR_cR_v, and -NR_cR_v (not on C1 of an alkoxy group, and excluding geminal disubstitution); wherein R_v is hydrogen or (1-4C)alkyl and R_c is as hereinafter defined;
 or R^{4h} is selected from one of the groups in (TAaa) to (TAab) below, or (where appropriate) one of R^{4h} and R^{5h} is selected from the above list of R^{4h} and R^{5h} values, and the other is selected from one of the groups in (TAaa) to (TAab) below :-
 (TAaa) a group of the formula (TAaa1)



(TAaa1)

wherein Z⁰ is hydrogen or (1-4C)alkyl;
 X⁰ and Y⁰ are independently selected from hydrogen, (1-4C)alkyl, (1-4C)alkoxycarbonyl, halo, cyano, nitro, (1-4C)alkylS(O)_q- (q is 0, 1 or 2), R_vR_wNSO₂-, trifluoromethyl, pentafluoroethyl, (1-4C)alkanoyl and -CONR_vR_w [wherein R_v is hydrogen or (1-4C)alkyl; R_w is hydrogen or (1-4C)alkyl];

(TAab) an acetylene of the formula ≡H or ≡-(1-4C)alkyl;

wherein R_c is selected from groups (Rc1) to (Rc2) :-

(Rc1) (1-6C)alkyl (optionally substituted by one or more (1-4C)alkanoyl groups (including geminal disubstitution) and/or optionally monosubstituted by cyano, (1-4C)alkoxy, trifluoromethyl, (1-4C)alkoxycarbonyl, phenyl (optionally substituted as for AR1 defined

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hereinafter), (1-4C)alkylS(O)_q- (q is 0, 1 or 2); or, on any but the first carbon atom of the (1-6C)alkyl chain, optionally substituted by one or more groups (including geminal disubstitution) each independently selected from hydroxy and fluoro, and/or optionally monosubstituted by oxo, -NR_vR_w [wherein R_v is hydrogen or (1-4C)alkyl; R_w is hydrogen or (1-4C)alkyl], (1-6C)alkanoylamino, (1-4C)alkoxycarbonylamino, N-(1-4C)alkyl-N-(1-6C)alkanoylamino, (1-4C)alkylS(O)_pNH- or (1-4C)alkylS(O)_p-((1-4C)alkyl)N- (p is 1 or 2);
(Rc2) R¹³CO-, R¹³SO₂- or R¹³CS-

wherein R¹³ is selected from (Rc2a) to (Rc2d) :-

(Rc2a) hydrogen, (1-4C)alkoxycarbonyl, trifluoromethyl and -NR_vR_w [wherein R_v is hydrogen or (1-4C)alkyl; R_w is hydrogen or (1-4C)alkyl];

(Rc2b) (1-10C)alkyl

{optionally substituted by one or more groups (including geminal disubstitution) each independently selected from hydroxy, (1-10C)alkoxy, (1-4C)alkoxy-(1-4C)alkoxy, (1-4C)alkoxy-(1-4C)alkoxy-(1-4C)alkoxy, (1-4C)alkanoyl, carboxy, phosphoryl [-O-P(O)(OH)₂], and mono- and di-(1-4C)alkoxy derivatives thereof], phosphinyl [-O-P(OH)₂] and mono- and di-(1-4C)alkoxy derivatives thereof], and amino; and/or optionally substituted by one group selected from phosphonate [phosphono, -P(O)(OH)₂], and mono- and di-(1-4C)alkoxy derivatives thereof], phosphinate [-P(OH)₂] and mono- and di-(1-4C)alkoxy derivatives thereof], cyano, halo, trifluoromethyl, (1-4C)alkoxycarbonyl, (1-4C)alkoxy-(1-4C)alkoxycarbonyl, (1-4C)alkoxy-(1-4C)alkoxy-(1-4C)alkoxycarbonyl, (1-4C)alkylamino, di((1-4C)alkyl)amino, (1-6C)alkanoylamino, (1-4C)alkoxycarbonylamino, N-(1-4C)alkyl-N-(1-6C)alkanoylamino, (1-4C)alkylaminocarbonyl, di((1-4C)alkyl)aminocarbonyl, (1-4C)alkylS(O)_pNH-, (1-4C)alkylS(O)_p-((1-4C)alkyl)N-, fluoro(1-4C)alkylS(O)_pNH-, fluoro(1-4C)alkylS(O)_p-((1-4C)alkyl)N-, (1-4C)alkylS(O)_q- [the (1-4C)alkyl group of (1-4C)alkylS(O)_q- being optionally substituted by one substituent selected from hydroxy, (1-4C)alkoxy, (1-4C)alkanoyl, phosphoryl [-O-P(O)(OH)₂], and mono- and di-(1-4C)alkoxy derivatives thereof], phosphinyl [-O-P(OH)₂] and mono- and di-(1-4C)alkoxy derivatives thereof], amino, cyano, halo, trifluoromethyl, (1-4C)alkoxycarbonyl, (1-4C)alkoxy-(1-4C)alkoxycarbonyl, (1-4C)alkoxy-(1-4C)alkoxy-(1-4C)alkoxycarbonyl, carboxy, (1-4C)alkylamino, di((1-4C)alkyl)amino, (1-6C)alkanoylamino, (1-4C)alkoxycarbonylamino, N-(1-4C)alkyl-N-(1-6C)alkanoylamino, (1-4C)alkylaminocarbonyl, di((1-4C)alkyl)aminocarbonyl, (1-4C)alkylS(O)_pNH-, (1-4C)alkylS(O)_p-((1-4C)alkyl)N-, and (1-4C)alkylS(O)_q-;

(Rc2c) R¹⁴C(O)O(1-6C)alkyl wherein R¹⁴ is AR1, AR2, (1-4C)alkylamino (the (1-4C)alkyl group being optionally substituted by (1-4C)alkoxycarbonyl or by carboxy), benzyloxy-(1-4C)alkyl or (1-10C)alkyl {optionally substituted as defined for (Rc2b)};

(Rc2d) R¹⁵O- wherein R¹⁵ is benzyl, (1-6C)alkyl {optionally substituted as defined for

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(Rc2c)) or AR2b;

wherein

AR1 is an optionally substituted phenyl or optionally substituted naphthyl;

AR2 is an optionally substituted 5- or 6-membered, fully unsaturated monocyclic heteroaryl ring containing up to four heteroatoms independently selected from O, N and S (but not containing any O-O, O-S or S-S bonds), and linked via a ring carbon atom, or a ring nitrogen atom if the ring is not thereby quaternised;

AR2a is a partially hydrogenated version of AR2, linked via a ring carbon atom or linked via a ring nitrogen atom if the ring is not thereby quaternised;

AR2b is a fully hydrogenated version of AR2, linked via a ring carbon atom or linked via a ring nitrogen atom.

2. (Canceled)

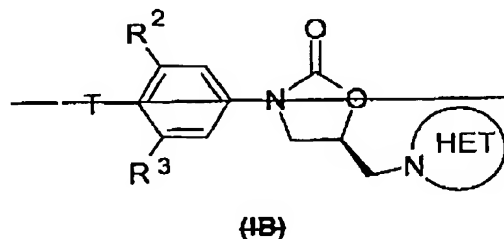
3. (Canceled)

4. (Previously Presented) The compound of claim 1, wherein R² and R³ are independently hydrogen or fluoro.

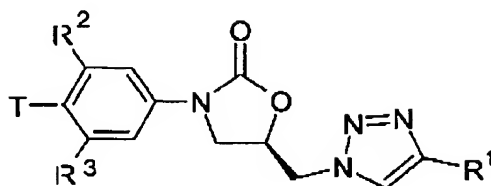
5. (Previously Presented) The compound of claim 1, wherein T is selected from TAa1, TAa5, TAa7 and TAa8.

6. (Currently Amended) The compound of claim 1, wherein R¹ is selected from R^{1a} to R^{1d} R^{1a}, R^{1b}, R^{1c}, and R^{1d}.

7. (Currently Amended) The compound of claim 1, which is a compound of the formula (IB)



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wherein

R¹ is (1-4C)alkyl;

R² and R³ are independently hydrogen or fluoro; and

T is selected from TAa1, TAa5, TAa7 and TAa8.

8. (Canceled)

9. (Previously Presented) A method for producing an antibacterial effect in a warm blooded animal which comprises administering to said animal an effective amount of a compound of claim 1.

10. (Canceled)

11. (Canceled)

12. (Previously Presented) A pharmaceutical composition which comprises a compound of claim 1, and a pharmaceutically-acceptable diluent or carrier.

13. (Canceled)

14. (Previously Presented) A compound which is:

(5R)-3-[3-Fluoro-4-(3-methylisoxazol-5-yl)phenyl]-5-[(4-methyl-1H-1,2,3-triazol-1-yl)methyl]-1,3-oxazolidin-2-one;

(5R)-3-(4-Isioxazol-3-yl)phenyl]-5-[(4-methyl-1H-1,2,3-triazol-1-yl)methyl]-1,3-oxazolidin-2-one; or

(5R)-3-[4-(1-Benzyl-1H-1,2,3-triazol-4-yl)-3-fluorophenyl]-5-[(4-methyl-1H-1,2,3-triazol-1-yl)methyl]-1,3-oxazolidin-2-one.